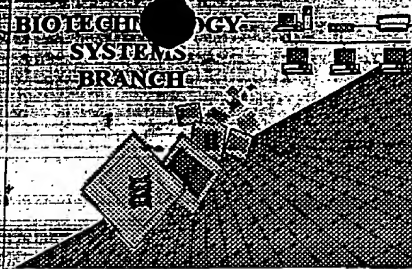


**RAW SEQUENCE LISTING  
ERROR REPORT  
BEST AVAILABLE COPY**



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/700,643  
Source: PTO9  
Date Processed by STIC: 1/11/2001

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

**FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.**

**FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.**

**PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**PATENTIN 3.0 e-mail help: [patin30help@uspto.gov](mailto:patin30help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:**

### **Checker Version 3.0**

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

**Checker Version 3.0 can be down loaded from the USPTO website at the following address:**

**<http://www.uspto.gov/web/offices/pac/checker>**

PCT09

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/700,643

DATE: 01/13/2001  
TIME: 17:12:11

Input Set : A:\2523.sequencelist.txt  
Output Set : H:\CRF3\01112001\I700643.raw

Does Not Comply  
Corrected Diskette Need

5 <110> APPLICANT: Matsumoto, Hirokazu  
W--> 7 <110> APPLICANT: Kitada, Chieko  
W--> 9 <110> APPLICANT: Hinuma, Shuji  
11 <120> TITLE OF INVENTION: ANTIBODY AND USE THEREOF  
13 <130> FILE REFERENCE: 2333US9P  
C--> 15 <140> CURRENT APPLICATION NUMBER: US/09/700,643  
C--> 15 <141> CURRENT FILING DATE: 2000-11-16  
15 <150> PRIOR APPLICATION NUMBER: PCT/JE99/02650  
W--> 17 <150> PRIOR APPLICATION NUMBER: 1999-05-20  
OK 19 <150> PRIOR APPLICATION NUMBER: JP 10-140293  
21 <151> PRIOR FILING DATE: 1998-5-21  
23 <160> NUMBER OF SEQ ID NOS: 13  
27 <210> SEQ ID NO: 1  
29 <211> LENGTH: 31  
31 <212> TYPE: PRT  
33 <213> ORGANISM: Bovine  
35 <223> OTHER INFORMATION: Xaa means Phe-NH2  
37 <400> SEQUENCE: 1  
39 Ser Arg Ala His Glu His Ser Met Glu Ile Arg Thr Pro Asp Ile Asn  
40 5 10 15  
OK 42 Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg Pro Val Gly Arg Xaa  
43 20 25 30  
46 <210> SEQ ID NO: 2  
48 <211> LENGTH: 31  
50 <212> TYPE: PRT  
52 <213> ORGANISM: Human  
54 <223> OTHER INFORMATION: Xaa means Phe-NH2  
56 <400> SEQUENCE: 2  
58 Ser Arg Thr His Arg His Ser Met Glu Ile Arg Thr Pro Asp Ile Asn  
59 5 10 15  
OK 61 Pro Ala Trp Tyr Ala Ser Arg Gly Ile Arg Pro Val Gly Arg Xaa  
62 20 25 30  
65 <210> SEQ ID NO: 3  
67 <211> LENGTH: 31  
69 <212> TYPE: PRT  
71 <213> ORGANISM: Rat  
73 <223> OTHER INFORMATION: Xaa means Phe-NH2  
75 <400> SEQUENCE: 3  
77 Ser Arg Ala His Glu His Ser Met Glu Thr Arg Thr Pro Asp Ile Asn  
78 5 10 15  
OK 80 Pro Ala Trp Tyr Thr Gly Arg Gly Ile Arg Pro Val Gly Arg Xaa  
81 20 25 30  
84 <210> SEQ ID NO: 4  
86 <211> LENGTH: 15  
88 <212> TYPE: PRT  
90 <213> ORGANISM: Human  
92 <223> OTHER INFORMATION: Xaa means Phe-NH2

→ use <1517> for PRIOR FILING DATE

Per 1.823 of new sequence rules,

insert this mandatory  
numeric identifier  
whenever <2217>

<2227> or <2237>

is shown  
(global era)

insert <2207>

insert <2207>

insert <2207>

1/11/01

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/700,643

DATE: 01/11/2001

TIME: 17:18:11

Input Set : A:\2523.sequencelist.txt

Output Set: N:\CRF3\01112001\I700643.raw

180 <210> SEQ ID NO: 10  
 191 <211> LENGTH: 30  
 193 <212> TYPE: PRT  
 195 <213> ORGANISM: Human  
 197 <223> OTHER INFORMATION: Xaa means Arg-NH2  
 199 <400> SEQUENCE: 10  
 201 Ser Arg Thr His Arg His Ser Met Glu Ile Arg Thr Pro Asp Ile Asn  
 202 5 10 15  
 OK> 204 Pro Ala Trp Tyr Ala Ser Arg Gly Ile Arg Pro Val Gly Xaa  
 205 20 25 30  
 208 <210> SEQ ID NO: 11  
 210 <211> LENGTH: 14  
 212 <212> TYPE: PRT  
 214 <213> ORGANISM: Human  
 216 <223> OTHER INFORMATION: Xaa means Cys-NH2  
 218 <400> SEQUENCE: 11  
 OK> 220 Thr Pro Asp Ile Asn Pro Ala Trp Tyr Ala Ser Arg Gly Xaa  
 221 5 10  
 224 <210> SEQ ID NO: 12  
 226 <211> LENGTH: 20  
 228 <212> TYPE: PRT  
 230 <213> ORGANISM: Bovine  
 232 <223> OTHER INFORMATION: Xaa means Phe-NH2  
 234 <400> SEQUENCE: 12  
 236 Thr Pro Asp Ile Asn Pro Ala Trp Tyr Ala Gly Arg Gly Ile Arg Pro  
 237 5 10 15  
 OK> 239 Val Gly Arg Xaa  
 240 20  
 243 <210> SEQ ID NO: 13  
 245 <211> LENGTH: 20  
 247 <212> TYPE: PRT  
 249 <213> ORGANISM: Rat  
 251 <223> OTHER INFORMATION: Xaa means Phe-NH2  
 253 <400> SEQUENCE: 13  
 255 Thr Pro Asp Ile Asn Pro Ala Trp Tyr Thr Gly Arg Gly Ile Arg Pro  
 256 5 10 15  
 OK> 258 Val Gly Arg Xaa  
 259 20

L2207

L2207

L2207

L2207

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/700,643

DATE: 01/11/2001

TIME: 17:18:12

Input Set : A:\2523.sequencelist.txt

Output Set: N:\CRF3\01112001\I700643.raw

L:7 H:280 W: Numeric Identifier already exists, <110> found multiple times  
L:9 H:280 W: Numeric Identifier already exists, <110> found multiple times  
L:15 H:270 C: Current Application Number differs, Replaced Current Application No  
L:15 H:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:17 H:289 W: Numeric Identifier Missing or Out-Of-Order, <150> PRIOR APP FILING DATE  
L:19 H:289 W: Numeric Identifier Missing or Out-Of-Order, <150> PRIOR APP FILING DATE  
L:21 H:255 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:42 H:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:42 H:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:1  
L:42 H:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:1  
L:61 H:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1  
L:61 H:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2  
L:61 H:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2  
L:61 H:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2  
L:81 H:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2  
L:81 H:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3  
L:81 H:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3  
L:81 H:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3  
L:81 H:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3  
L:96 H:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4  
L:96 H:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4  
L:96 H:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4  
L:96 H:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:4  
L:115 H:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5  
L:115 H:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:5  
L:115 H:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:5  
L:115 H:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:5  
L:131 H:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:6  
L:131 H:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:6  
L:131 H:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:6  
L:131 H:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:6  
L:147 H:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:7  
L:147 H:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:7  
L:147 H:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:7  
L:147 H:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:7  
L:204 H:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:10  
L:204 H:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:10  
L:204 H:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:10  
L:204 H:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:10  
L:220 H:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:11  
L:220 H:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:11  
L:220 H:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:11  
L:220 H:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:11  
L:239 H:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:12  
L:239 H:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:12  
L:239 H:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:12  
L:239 H:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:12  
L:258 H:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:13

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/700,643

DATE: 01/11/2001

TIME: 17:18:12

Input Set : A:\2523.sequencelist.txt

Output Set: N:\CRF3\01112001\I700643.raw

L:258 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13  
L:258 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13  
L:258 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:13